Question 3:- /determine if this sentence true or false then put the correct answer into answering table true (T) or false (F) (10 marks)

Q3- Answering table سجل عندك اجابة السؤال الثالث الموجوده في هذا الجدول فقط

1	2	3	4	5	6	7	8	9	10
F	T	T	T	F	T	F	F	F	T

1-Hyoscyamus leaf is used similarly to Belladonna leaf, but its dose should be set higher, because of the lower alkaloid-content (F)

2-Iceland moss contains Isolichenin called dextrolichinin can be used as demulcent in chronic affections of the air passages and Pharmaceutically as emulsifying agent for cod-liver oil and other oils (T)

3-Ergometrine produces an oxytocic (quick delivery) effect and reduces post-partum haemorrhage (T)

4- santonin has tonic and stimulant action on digestion and can be used as anthelmintic (T)

5- williamson's test is a specific chemical test for santonica flowers (F)

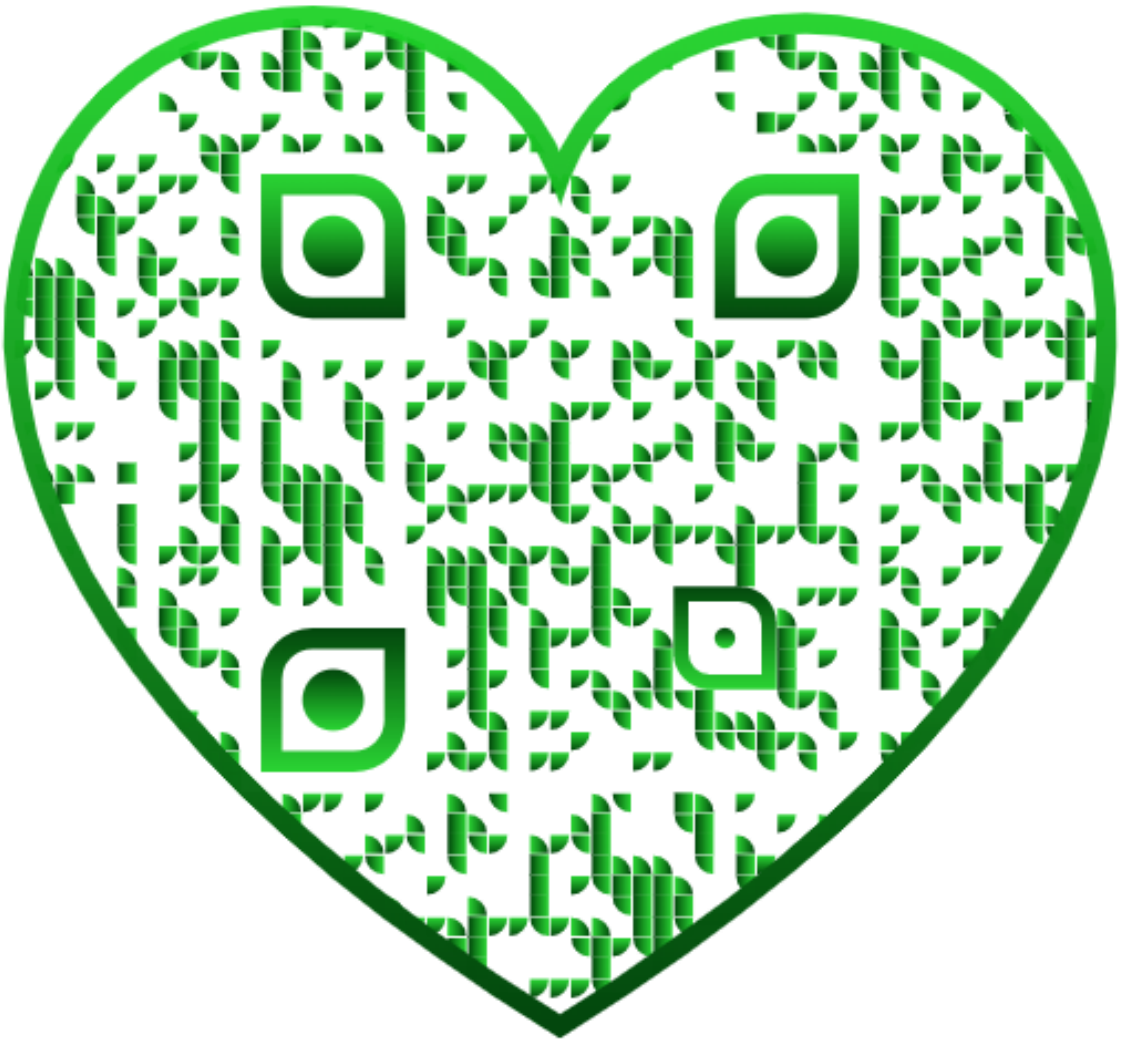
6-ephedrine is an alkaloid that is effective as bronchodilator and local vasoconstrictor used for the treatment of nasal congestion (T)

7-The most active constituent in German chamomileflowers are known as volatile oils but in Belladonna leaves are known as cardiac glycosides (F)

8-henbane leaves use is highly restricted due to its toxicity and its strong addiction power (F)

9-lobelia leaves plant can be used as a physiological antidote for atropine or Belladonna poisoning (F)

10-if thyme oil was used internally in large dose may cause nausea and respiratory arrest; for this reason, the herb is preferred to the oil (T)



Question 2:- matching the answer between the following tables A&B and move the answer to the answer table below (10 marks)

Q2- Answering table سيتم اعتماد الاجابه الخاصه بالسؤال الثاني الموجوده في هذا الجدول فقط

A	B	C	D	E	F	G	H	I	J
4	9	1	3	7	10	6	2	8	5

TABLE (A)	
A	This plant known as short Buchu
B	This chemical test used to detect anthraquinones
C	This plant is bronchodilator, expectorant, respiratory stimulant and emetic
D	Volatile oil of this plant does not contain diosphenol so it has no diuretic activity.
E	Leaves of this plant can be used As an anaphrodisiac, also used in air and motion sickness
F	Leaves of this plant can be used as antidote for atropine or Belladonna poisoning.
G	This leaves may potentiates the effects of blood thinning medications such as Warfarin.
H	This chemical test used to detect volatile oils
I	Leaves of this plant can be used as an adulterant for senna
J	This alkaloid has a choleretic , antiseptic, diuretic and uric acid excretory activities

TABLE (B)	
1	Lobelia
2	Sudan III
3	long Buchu
4	*Baeosma betulina*
5	Boldine
6	Boldo
7	HYOSCYAMUS MUTICUS
8	Palthe Senna
9	Borntrager
10	Jaborandi

Dr. Mohammed Al-Emad

Question 1:/select the appropriate answer then move it to the answering table **(10 marks)**

Q1- Answering table سيتم اعتماد الاجابه الخاصه بالسؤال الأول الموجوده في هذا الجدول فقط

1	2	3	4	5	6	7	8	9	10
b	a	c	b	a	b	d	d	a	d

1- this flowers can be used as insecticide
a- German chamomile (b) Pyrethrum c- Clove d- henbane

2- Leaves of this plant can be used as an allied drug for digitalis purpurea
(a) Grecian Foxglove b- Mullien leaves c- Comfery leaves d- all of the above

3- Potassium deficiency can be occurred when....
a- Concurrent use of cardiac glycosides with Senna leaves
b- Concurrent use of diuretics with Senna leaves
(c) All of the above d- None of the above

4- all the following informations are true about thymus except
a-Broncholytic (b) called *Thymus acutifolia* c-contains volatile oils d- expectorant

5- Vincristine is
(a) An alkaloid b- flavonoid c- tannin d- volatile oil

6 all the following plants contains alkaloids can be used as anti-spasmodic except:
a- Thymus (b) Datura c- Belladona d- none of the above

7- the following Buchu leaves contains Diosmin and hespridin that used for treatment of capillary fragility and other peripheral vascular disorders
a- short buchu b- long buchu c- oval buchu (d) All of the above

8- This compound is cumulative and highly toxic, it should be administered with great care.
a- sennoside b- digitalis c- digitoxin (d) both b and c

9- This plant can be used as stimulant laxative
(a) senna b- chondrus c- belladonna d- buchu

10- Digitalis leaves are :-
a- Cardiotonic and diuretic. b- characterized by Baljet test
c- contains cardenolides (d) all of the above

Question 4:- fill the following common names with the appropriate botanical name by assistance of table (10 marks)

	Common name	Botanical name
1	Comfery leaves	Symphytum officinale.
2	Coca	Erythroxylum truxillense -
3	Egyptian Henbane	Hyoscyamus muticus -
4	Ephedra	Ephedra sinica -
5	Vinca	Catharanthus roseus -
6	Cetraria	Cetraria islandica -
7	Straw Foxglove	Digitalis Lutea.
8	Clove	Eugenia Caryophyllus
9	Roman chamomile	Anthemis nobilis -
10	Peppermint	Mentha piperita -

Assistance table

Allium sativum	*Chrysanthemum cinerariifolium*	*Lobelia inflata*
Anthemis nobilis	*Datura stramonium*	*Matricaria chamomilla*
Artemisia cina	*Digitalis lanata*	*Mentha piperita*
Atropa belladonna	*Digitalis lutea*	*Myristica Fragrans*
Betrosma betulina	*Digitalis purpurea*	*Peumus boldus*
Betrosma serratifolia	*Eugenia caryophyllus*	*Pilocarpus jaborandi*
Cassia acutifolia	*Erythroxylum truxillense*	*Ricinus communis*
Catharanthus roseus	*Ephedra sinica*	*Strophanthus kombe*
Cetraria islandica	*Hyoscyamus muticus*	*Symphytum officinale*
Chondrus crispus	*Hyoscyamus niger*	*Thymus vulgaris*
Digitalis purpurea	*Illicum verum*	*Trigonella foenumgraecum*

Good luck

ابتعد الأسئلة وتمنياتنا لكم بالتوفيق

Pharmacognosy1 (final exam)

Question 4:- fill the following common names with the appropriate botanical name by assistance of table (10 marks)

	Common name	Botanical name
1	Ephedra	Ephedra sinica
2	Peppermint	
3	Roman chamomile	
4	Carragheen	
5	Ergot	
6	Alexandrian Senna	Cassia angustifolia
7	Foxglove	Digitalis purpurea
8	Buchu	Barosma betuline
9	Jaborandi	Pilocarpus jaborandi
10	Coca	

Assistance table

Allium sativum	*Claviceps purpurea*	*Lobelia inflate*
Ammi visnaga	*Commiphora molmol*	*Mentha piperita*
Anthemis nobilis	*Cumimum cymimum*	*Myristica Fragrans*
Astragalus gummifer	*Datura stramonium*	*Peucedanum graveolens*
Atropa belladonna	*Digitalis purpurea* –	*Peumus boldus*
Barosma betulina	*Discorea vilosa*	*Pilocarpus jaborandi*
Cannabis sativa	*Ephedra sinica* –	*Ricinus communis*
Cassia angustifolia	*Hyoscyamus muticus*	*Strophanthus kombe*
Catharanthus roseus	*Hyoscyamus niger*	*Strychnos nux vomica*
Cetraria islandica	*Illicum verum*	*Thymus vulgaris*
Chondrus crispus	*Linum usitatissimum*	*Trigonella foenumgraecum*

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الجمهورية اليمنية
وزارة التعليم العالي والبحث العلمي
الجامعة الوطنية-فرع اب
كلية العلوم الطبية
قسم الصيدلة

التاريخ: ٣٠-٣-٢٠١٧م
اسم المقرر: علم دواء ١
مدرس المقرر: د/بليغ عبده مقبل ناجي
الوقت: ساعتان

Dr. Mohammed Al-Emad

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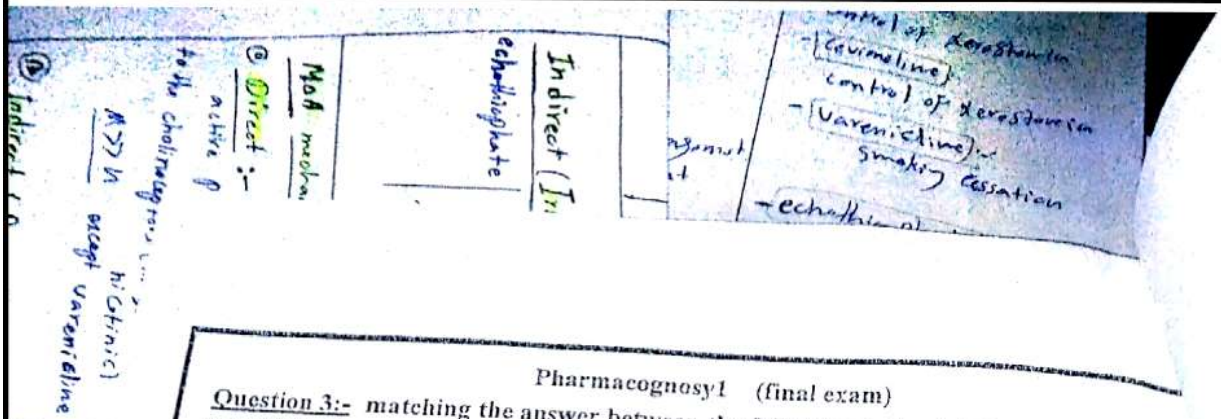

Pharmacognosy1 (final exam)

Question 3:- matching the answer between the following tables A&B and move the answer to the answer table below (10 marks)

Q3- Answering table سيتم اعتماد الاجابه الخاصه بالسؤال الثالث الموجوده في هذا الجدول فقط										
A	B	C	D	E	F	G	H	I	J	

TABLE (A)	
A	This chemical test used to detect cardiac glycoside
B	This chemical test used to detect solanaceous alkaoids
C	This alkaloid effective in the prevention and control of motion sickness.
D	The choleretic activity of this leaves has been atributed to the aporphine alkaloid
E	Leaves of this plant can be used As an anaphrodisiac, also used in air and motion sickness
F	Leaves of this plant can be used As antidote for atropine or Belladonna poisoning.
G	this alkaloid has anticancer activity and isolated from Catharanthus
H	Herbs containing Volatile Oil contraindicated in case of gallstones and severs liver damage
I	is now a significant complementary therapy involving the use of volatile oils to heal or improve wellbeing
J	The therapeutic dose of this compound is very close to the toxic dose.

TABLE (B)	
1	Hyoscine
2	Thymus
3	Boldo
4	Baljet test
5	lobeline
6	Vinblastine
7	HYOSCYAMUS MUTICUS
8	Aromatherapy
9	Vitali's test
10	Jaborandi

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10- Pyrethrum flower contains santonin which can be used as anthelmintic for round worms ( )
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Pharmacognosy1 (final exam)

Question- 2:- /select the appropriate answer then move it to the answering table (1 marks)

Q2- Answering table سيتم اعتماد الاجابه الخاصه بالسؤال الثاني الموجوده في هذا الجدول فقط

1	2	3	4	5	6	7	8	9	10
a									

1- Senna acts as laxative or purgative because of:
a- it contains Glycosides b- it contains tannins
c- mucilages d- none of the above

2- Potassium deficiency can be occurred when….
a- Concurrent use of cardiac glycosides with Senna leaves
b- Concurrent use of diuretics with Senna leaves
c- All of the above d- None of the above

3- Digitalis leaves are:-
a- Cardiotonic and diuretic. b- not used in most forms of cardiac insufficiency
c- Administered with less care. d- None of the above

4- Scopolamine is
a- a central nervous system stimulant b- An alkaloid
c- Isolated from belladonna in high amounts d- All of the above

5-all the following plants can be used as anti-spasmodic except:
a- Belladona b- Peppermint c- Senna d- Thymus

6- The following plant can be used as an adultrant for purple foxoglove leaves
a- argel leaves b- Primrose leaves c- Grecian Foxglove leaves d- none of the above

7- In pharmacognosy the herb is:
a- indicates a drug composed usually of the tender parts of the plant axis, leaves, flowers and fruits
b- a plant whose stem does not become woody and permanent but dies at least down to the ground
c- All of the above d- non of the above

8- Thyme is used in folk medicine as
a- carminative b- digestive c- antispasmodic. d- all of the above

9- The following herbs contains volatile oils as the major constituent except
a- Peppermint b- Thyme c- Ephedra d- None of the above

10- this chemical test used for identity of volatile oils of thymus
a- Borntrager b- beam's reagent c- Vitali's test d- sudan III.

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Pharmacognosy1 (final exam)

الجامعة الوطنية اب قسم: الصيدلة المستوى:الثالث

Question- 1:- /determine if this sentence true or false then put the correct answer into answering table true (T) or false (F) (10 marks)

Q1- Answering table سيتم اعتماد الاجابه الخاصه بالسؤال الأول الموجوده في هذا الجدول فقط

1	2	3	4	5	6	7	8	9	10	

1-Jaborandi leaves can be used as diaphoretic and as sialagogue and eye myotic for treatment of glaucoma ( )

2-The most active constituent in Belladonna leaves known as anthraquinone but in hyoscyamus known as alkaloids ( )

3-bucho leaves has choleretic activity, Antiseptic and diuretic can not be used during pregnancy and contraindicated for long-term chronic use as a diuretic ( )

4- Digitoxin is cumulative and highly toxic drug used for CHF and isolated from solanaceae family ( )

5-lobelia herb has similar action to nicotine and contains lobeleine as active ingredients ( )

6-Chondrus is dried bleached Thallus used as emulsifying agent for cod-liver oil and other oils ( )

7-ergometrine is volatile oil separated from ergot ( )

8-ephedrine is an alkaloid separated from Ephedra herb and acts as indirect parasympathomimetic. ( )

9-Preparations containing peppermint oil should not be used on the face, particularly the nose, of infants and small children due to the potential risk of spasms of the tongue or respiratory arrest ( )

10- Pyrethrum flower contains santonin which can be used as anthelmintic for round worms ( )

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